



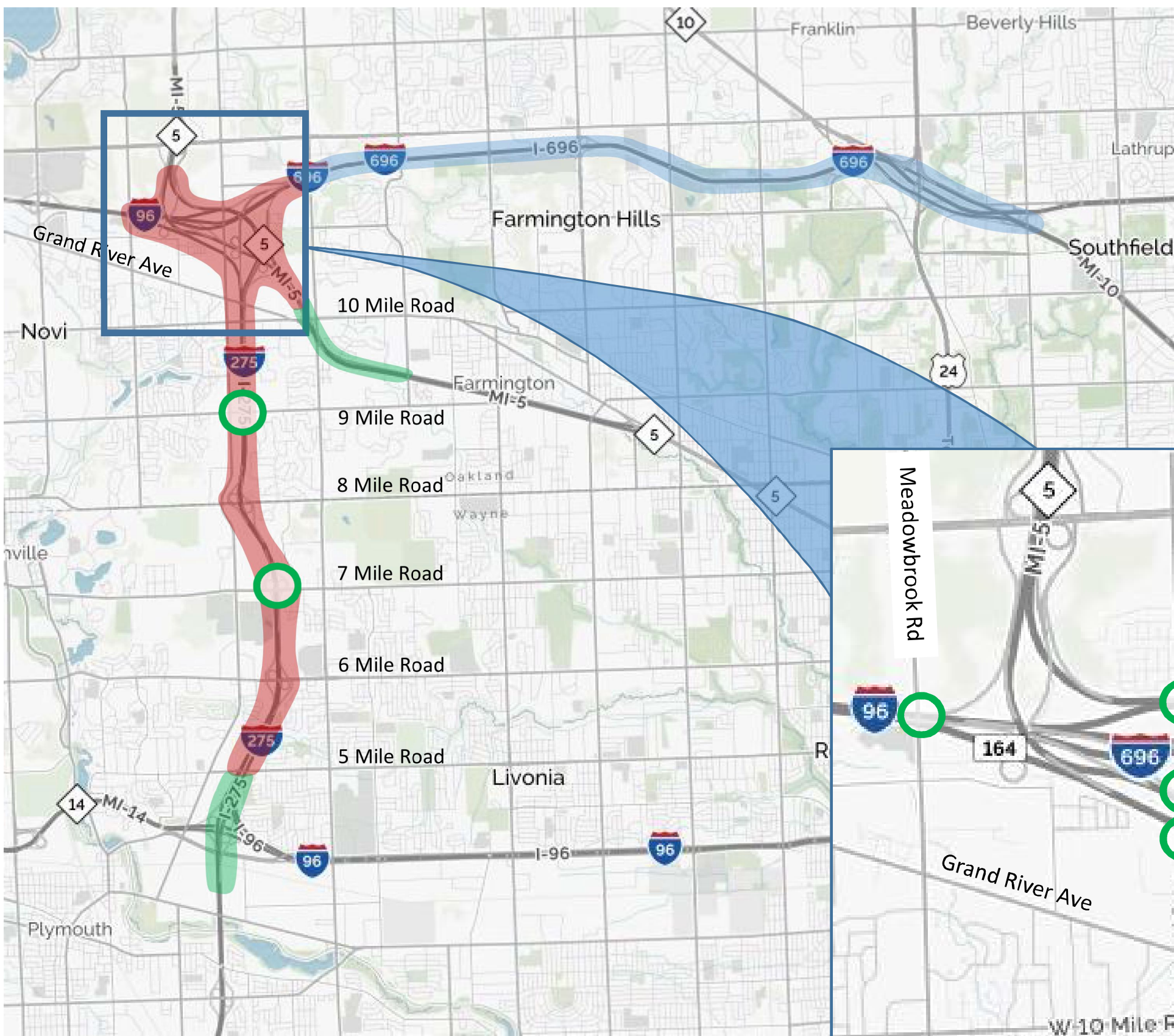
**I-275 Rehabilitation Project
from Five Mile Road to the I-96/I-696/M-5 Interchange
Cities of Novi, Farmington Hills and Livonia
Wayne and Oakland Counties**

**Public Information Meeting
Davenport University**

November 10, 2015

4 - 7 PM

OVERALL PROJECT VICINITY



I-275 Concrete Inlay and Bridge Work

I-696 Roadway Patch Work

Intelligent Transportation System (ITS)
(ITS also included in I-275 Work Zone)

○ Bridge Work Locations



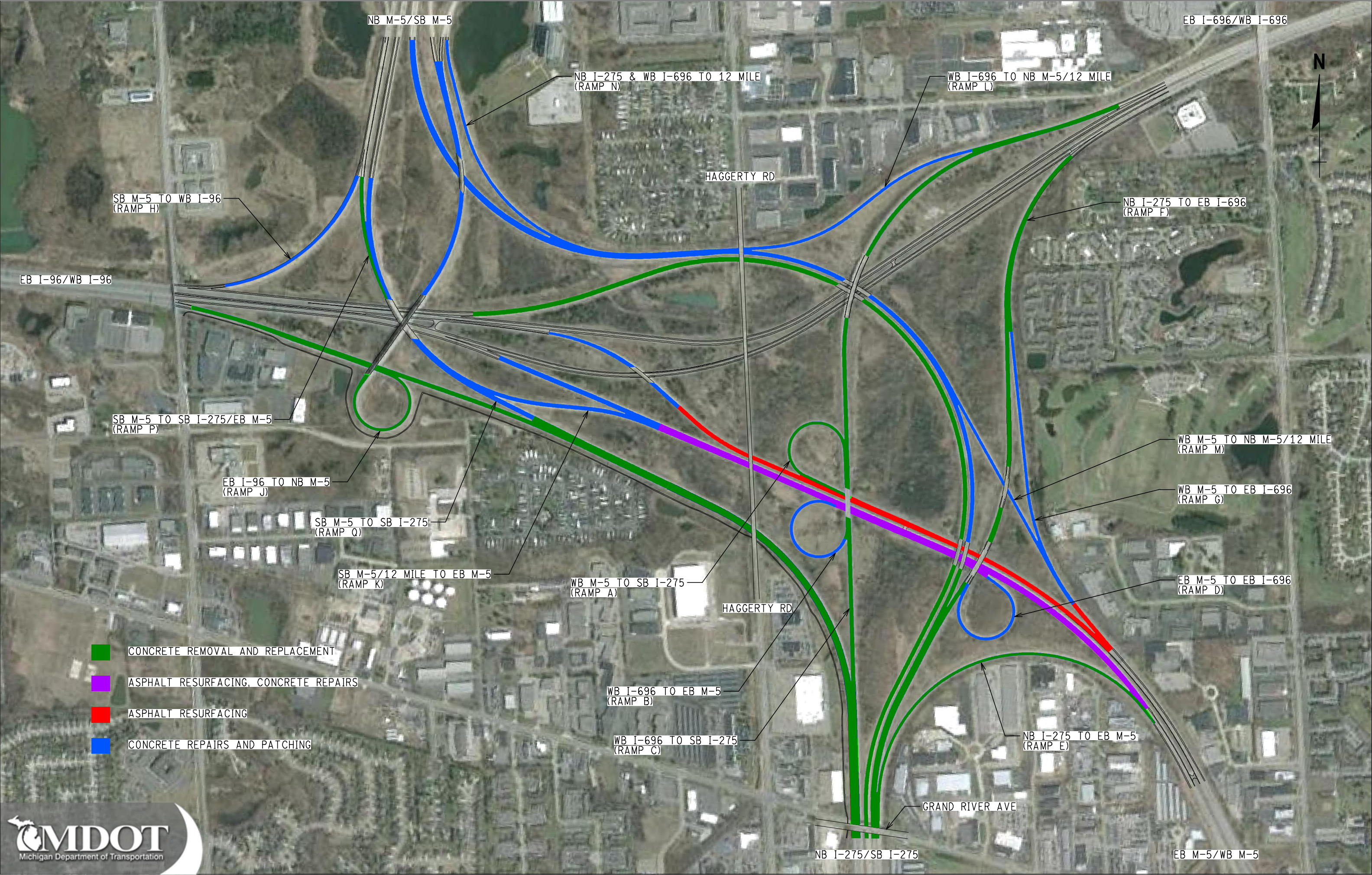
Work Includes:

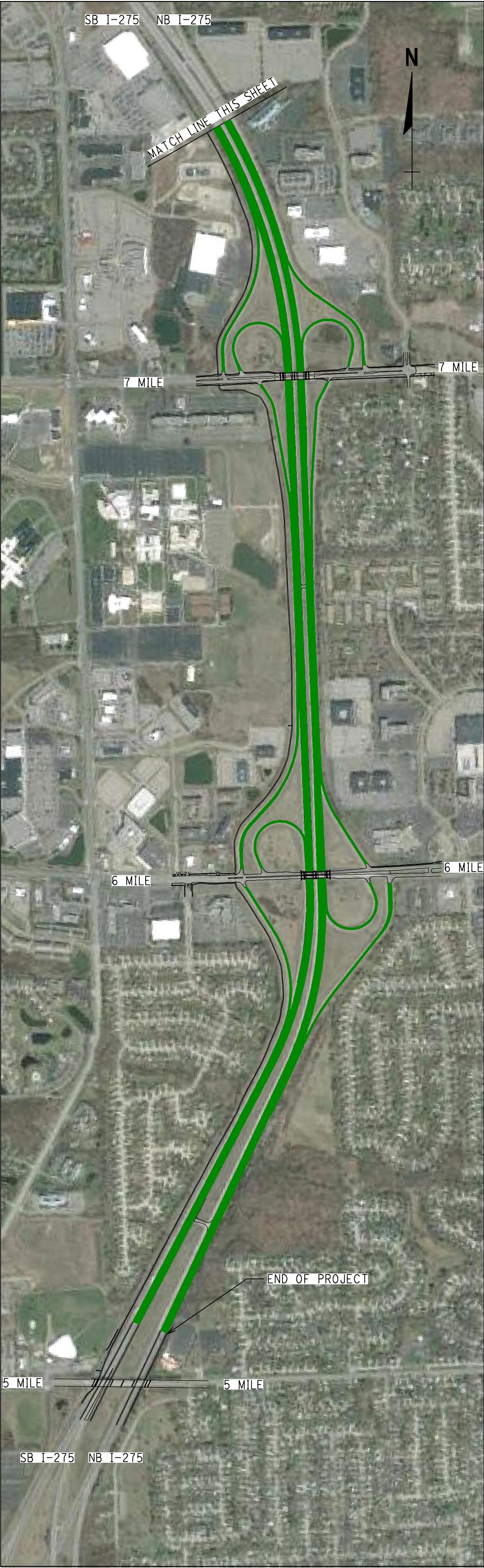
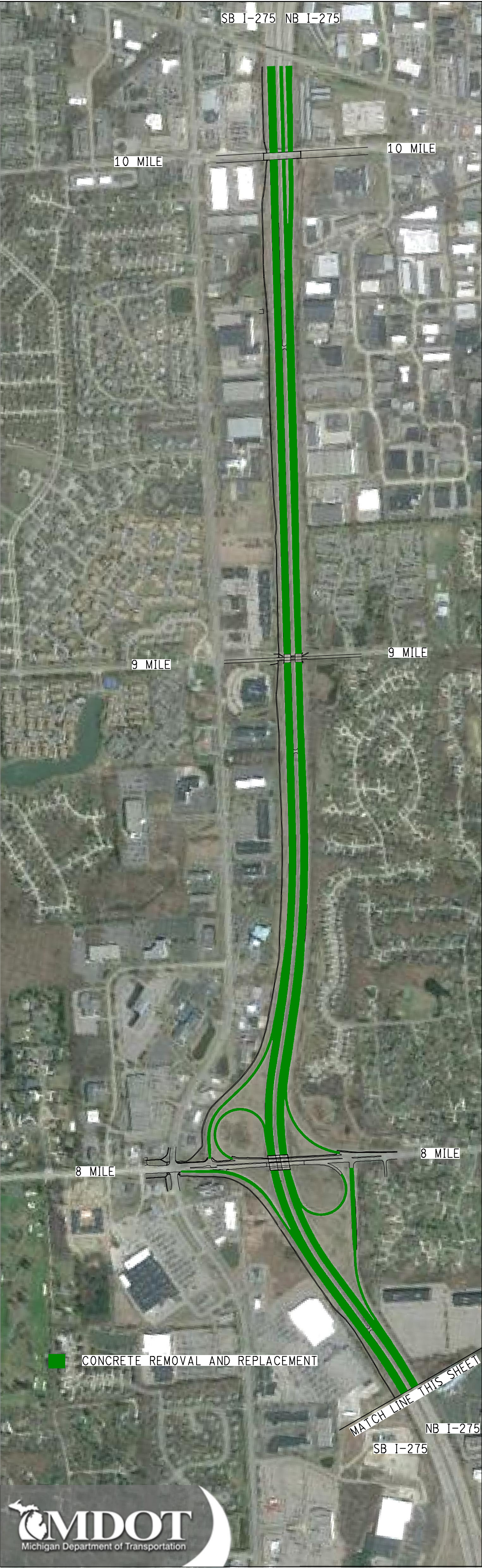
- 13 Miles of Concrete Pavement Replacement and Repair Work
- Asphalt Shoulder Overlay
- Drainage Improvements
- Guardrail Replacement
- 16 Bridge Rehabilitations
- Intelligent Transportation System (ITS) Work
- Approximate Construction Cost \$70M to \$80M

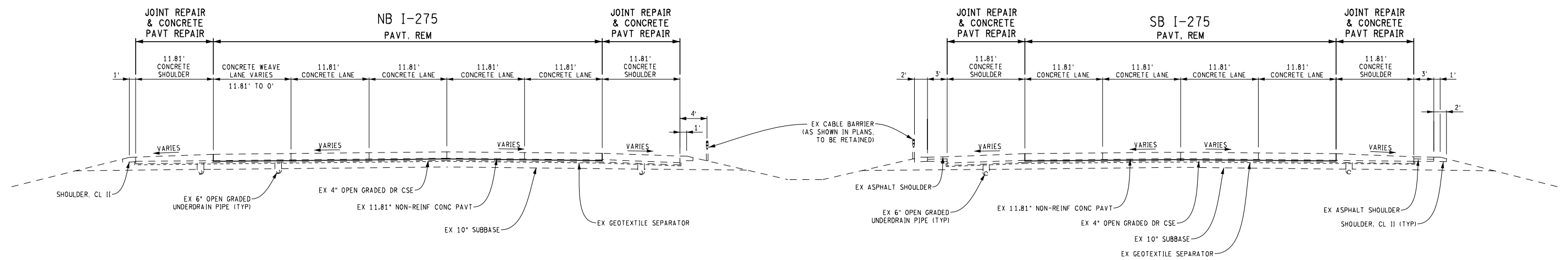
OVERALL PROJECT CONDITION



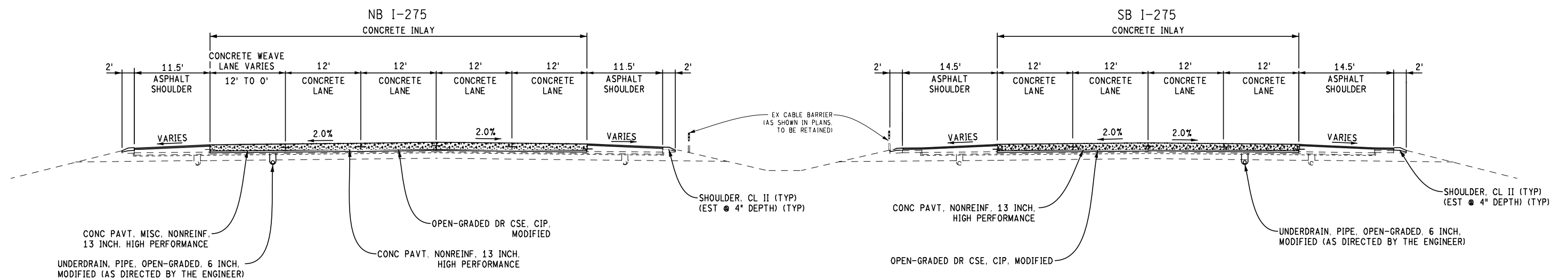
The road surface is in very poor condition and needs to be fixed as soon as possible. The project began as a simple pavement repair project, but upon further review it was determined that the roadway required full removal and replacement of the existing pavement.



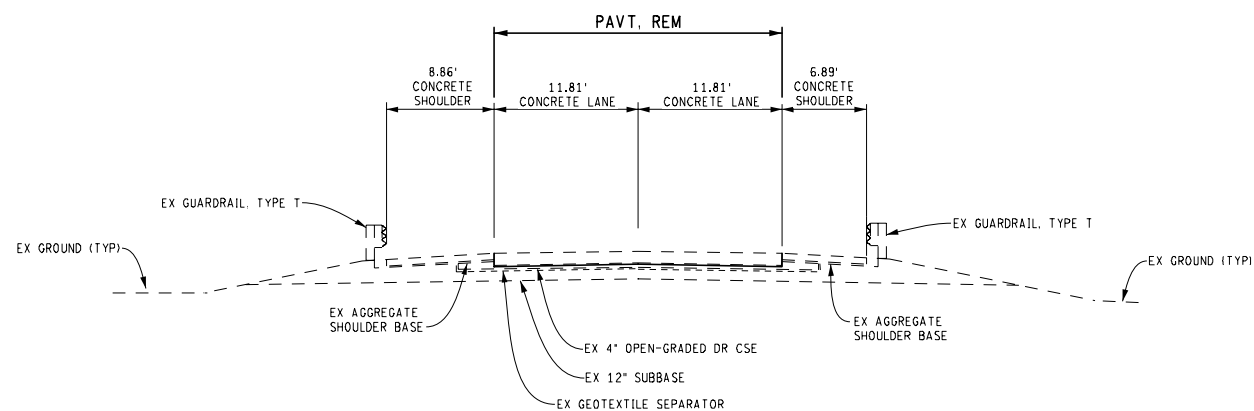




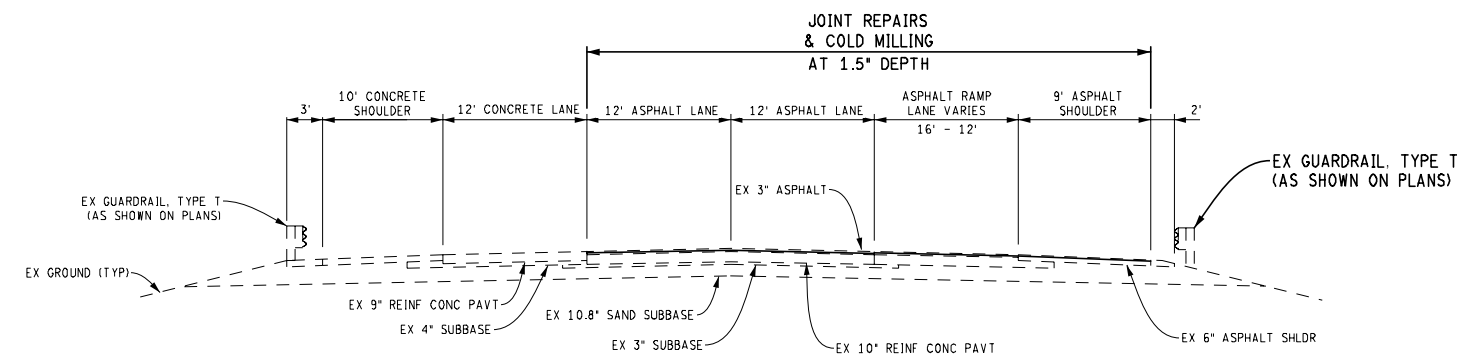
EXISTING I-275/I-96 NORMAL SECTION



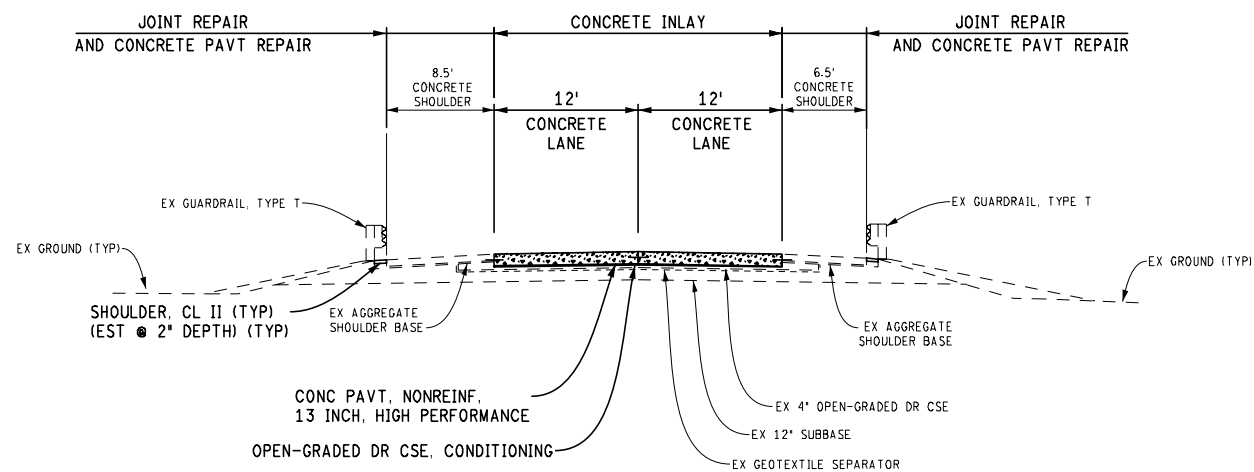
PROPOSED I-275/I-96 NORMAL SECTION



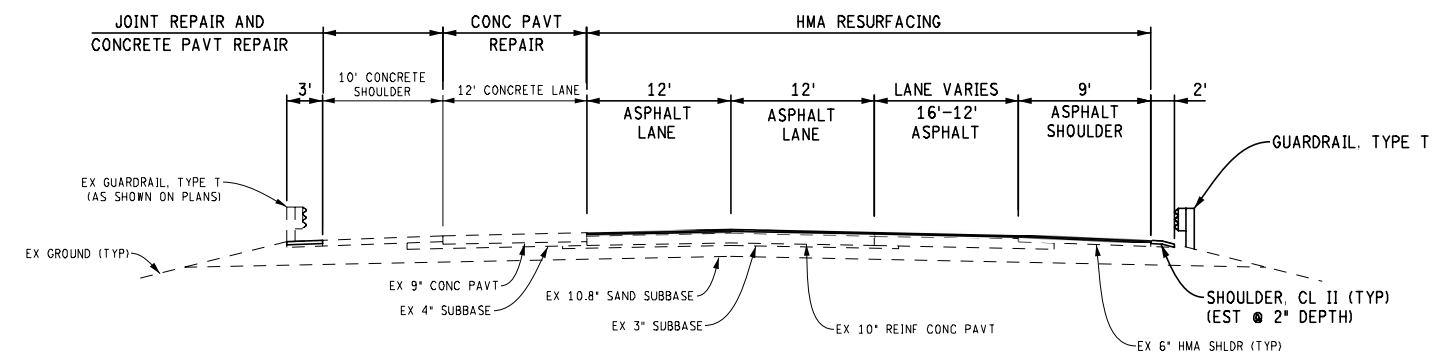
EXISTING TWO LANE
RAMP NORMAL SECTION



EXISTING M-5 NORMAL SECTION

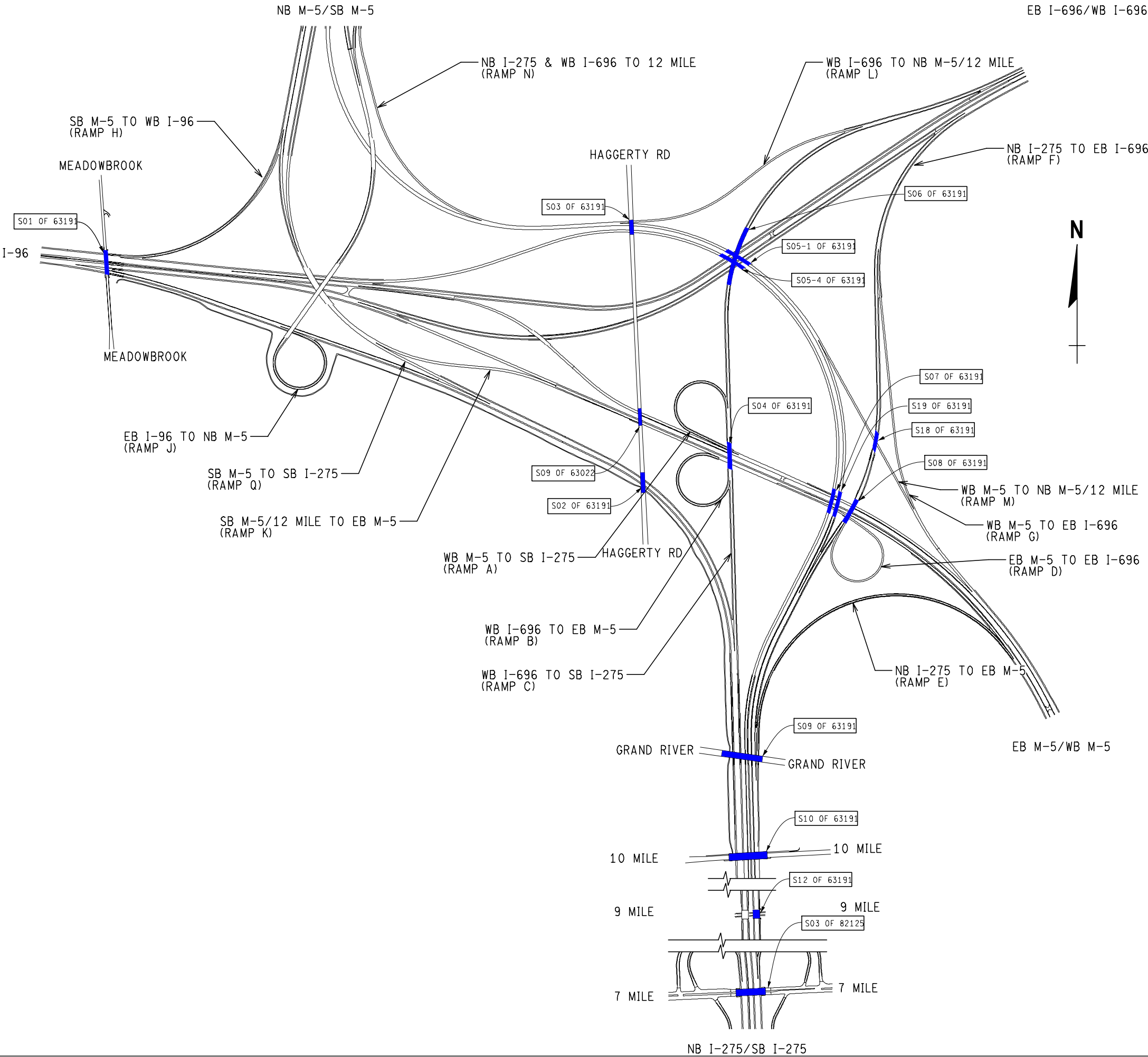


PROPOSED TWO LANE
RAMP NORMAL SECTION



PROPOSED M-5 NORMAL SECTION

STRUCTURE NO.	Description of Work	Maintaining Traffic
S02 OF 63191	DECK PATCH, EPOXY SEAL DECK, RESEAL END JOINTS, RAIL PATCH, REPLACE GR PORTIONS, SUBSTRUCTURE PATCH AND FALSE DECKING.	DETOUR HAGGERTY RD (SEE HAGGERTY RD CLOSURE/DETOUR BOARD)
HAGGERTY RD OVER EB I-96/I-275		
S03 OF 63191	DECK PATCH, EPOXY OVERLAY DECK, RESEAL END JOINTS, SCALE FASCIA & SOFFIT, SUBSTRUCTURE PATCH, AND FALSE DECKING	DETOUR HAGGERTY RD (SEE HAGGERTY RD CLOSURE/DETOUR BOARD)
HAGGERTY RD OVER WB I-96		
S09 OF 63022	DECK PATCH, RESEAL END JOINTS, RAIL PATCH, STEEL REPAIRS, BEAM HEAT STRAIGHTENING, SUBSTRUCTURE PATCH, SLOPE PROTECTION REPAIRS AND FALSE DECKING.	DETOUR HAGGERTY RD (SEE HAGGERTY RD CLOSURE/DETOUR BOARD)
HAGGERTY RD OVER M-5		
S01 OF 63191	SHALLOW & FULL DEPTH DECK PATCH, EPOXY SEAL DECK, RESEAL END JOINTS, STEEL REPAIRS (LATERAL BRACING) AND FALSE DECKING.	DETOUR MEADOWBROOK RD (SEE MEADOWBROOK RD CLOSURE/DETOUR BOARD)
MEADOWBROOK OVER I-96		
S04 OF 63191	DECK PATCH, EPOXY SEAL DECK, RESEAL END JOINTS, RAIL PATCH, STEEL REPAIRS, SUBSTRUCTURE PATCH, AND FALSE DECKING	WORK IS PERFORMED DURING CLOSURE OF SB I-275
RAMP C - WB I-696 TO SB I-275 OVER M-5	DECK PATCH, RESEAL END JOINTS, PATCH/CRACK SEAL APPROACH PAVEMENT, SUBSTRUCTURE PATCH AND FALSE DECKING	WORK IS PERFORMED DURING CLOSURE OF NB I-275
S05-1 OF 63191		
NB I-275 TO NB M-5 CONNECTOR OVER I-696	DECK PATCH, EPOXY SEAL DECK, RESEAL END JOINTS, REPLACE GUARDRAIL PORTIONS, SUBSTRUCTURE PATCH AND FALSE DECKING	WORK IS PERFORMED DURING CLOSURE OF NB I-275
S05-4 OF 63191		
NB I-275 TO WB I-96 CONNECTOR OVER I-696	DEEP OVERLAY, FULL DEPTH DECK PATCH, JOINT REPLACE, REPLACE GR PORTIONS, REPLACE APPROACH PAVEMENT, SCALE FASCIA AND SOFFITS, SUBSTRUCTURE PATCH AND FALSE DECKING	WORK IS PERFORMED DURING CLOSURE OF SB I-275
S06 OF 63191		
RAMP C - WB I-696 TO SB I-275 OVER NB I-275 CONNECTOR	DECK PATCH, EPOXY SEAL DECK, RESEAL END JOINTS & DECK JOINTS, PATCH/CRACK SEAL APPROACH PAVEMENT, SCALE FASCIA & SOFFITS, SUBSTRUCTURE PATCH, AND FALSE DECKING	WORK IS PERFORMED DURING CLOSURE OF NB I-275
S07 OF 63191		
NB I-275 TO WB I-96 CONNECTOR OVER M-5	DECK PATCH, EPOXY SEAL DECK, RESEAL END JOINTS, CRACK SEAL APPROACH PAVEMENT, REPLACE GR PORTIONS, SUBSTRUCTURE PATCH AND FALSE DECKING	WORK IS PERFORMED DURING CLOSURE OF NB I-275
S08 OF 63191		
RAMP F - NB I-275 TO EB I-696 OVER M-5	DECK PATCH, EPOXY SEAL DECK, RESEAL END JOINTS & DECK JOINTS, REPLACE APPROACH PAVEMENT, FASCIA PATCH, SUBSTRUCTURE PATCH, AND FALSE DECKING	MAINTAIN TWO LANES ON GRAND RIVER AVE
S09 OF 63191		
GRAND RIVER AVE OVER I-275	DECK PATCH, EPOXY SEAL DECK, RESEAL DECK JOINTS, SUBSTRUCTURE PATCH AND FALSE DECKING.	MAINTAIN TWO LANES ON 10 MILE RD
S10 OF 63191		
10 MILE RD OVER I-275	DECK PATCH AND EPOXY SEAL DECK, SUBSTRUCTURE PATCH AND FALSE DECKING.	WORK IS PERFORMED DURING CLOSURE OF SB I-275
S12 OF 63191		
9 MILE RD UNDER NB I-275	SHALLOW & FULL DEPTH DECK PATCH, JOINT REPLACEMENT AT PIN & HANGARS, EPOXY SEAL DECK AND PAVEMENT, RESEAL END JOINTS, REPLACE GR PORTIONS, SUBSTRUCTURE PATCH AND FALSE DECKING.	WORK IS PERFORMED DURING CLOSURE OF NB I-275
S18 OF 63191		
RAMP F - NB I-275 TO EB I-696 OVER NB M-5 RAMP	DECK PATCH, EPOXY SEAL DECK, RESEAL END JOINTS, REPLACE APPROACH PAVEMENT, SUBSTRUCTURE PATCH AND FALSE DECKING.	WORK IS PERFORMED DURING CLOSURE OF NB I-275
S19 OF 63191		
NB I-275 TO NB M-5 CONNECTOR OVER M-5	DECK PATCH, EPOXY SEAL DECK, RESEAL END JOINTS AND CONSTRUCTION JOINT, CONCRETE SURFACE COAT, SUBSTRUCTURE PATCH AND FALSE DECKING.	DETOUR 7 MILE RD (SEE EB AND WB 7 MILE RD CLOSURE AND DETOUR BOARD)
S03 OF 82125		
7 MILE ROAD OVER I-275		



Public Feedback



MDOT sought public input (Oct. 2 – 9) on road closure options, receiving 3,765 responses.

22 possible road closure configurations, detours, lane shifts, and other traffic control options (barrels, barriers, signs, manpower, etc.) were evaluated by MDOT. These configurations were narrowed to three options and were offered in the survey. Feedback and percent response for each option are noted below:

87%

Option 1

- ⇒ Close and Detour one direction of I-275 at a time
- ⇒ One Construction Season
- ⇒ \$1.04 Million in Traffic Control Costs

4%

Option 2

- ⇒ Keep northbound I-275 during the entire project with traffic shifted as work is performed and detour southbound I-275 traffic
- ⇒ Two Construction Seasons
- ⇒ \$2.87 Million in Traffic Control Costs

9%

Option 3

- ⇒ Both directions of traffic maintained on one side of the freeway with a barrier wall separating traffic
- ⇒ Two Construction Seasons
- ⇒ \$4.85 Million in Traffic Control Costs

The I-275 project is scheduled to begin next spring in the communities of Livonia, Novi and Farmington Hills

Spring 2016

Construction Begins

- ⇒ Southbound I-275 Closed and Detoured for Construction
- ⇒ Eastbound I-96 to Southbound I-275 Closed and Detoured for Construction
- ⇒ Westbound I-696 from east of Lahser Road to Halsted Road Closed and Detoured for two weekends
- ⇒ Meadowbrook and 7 Mile Roads Closed for Construction and Detoured

Mid-Summer 2016

Construction Continues

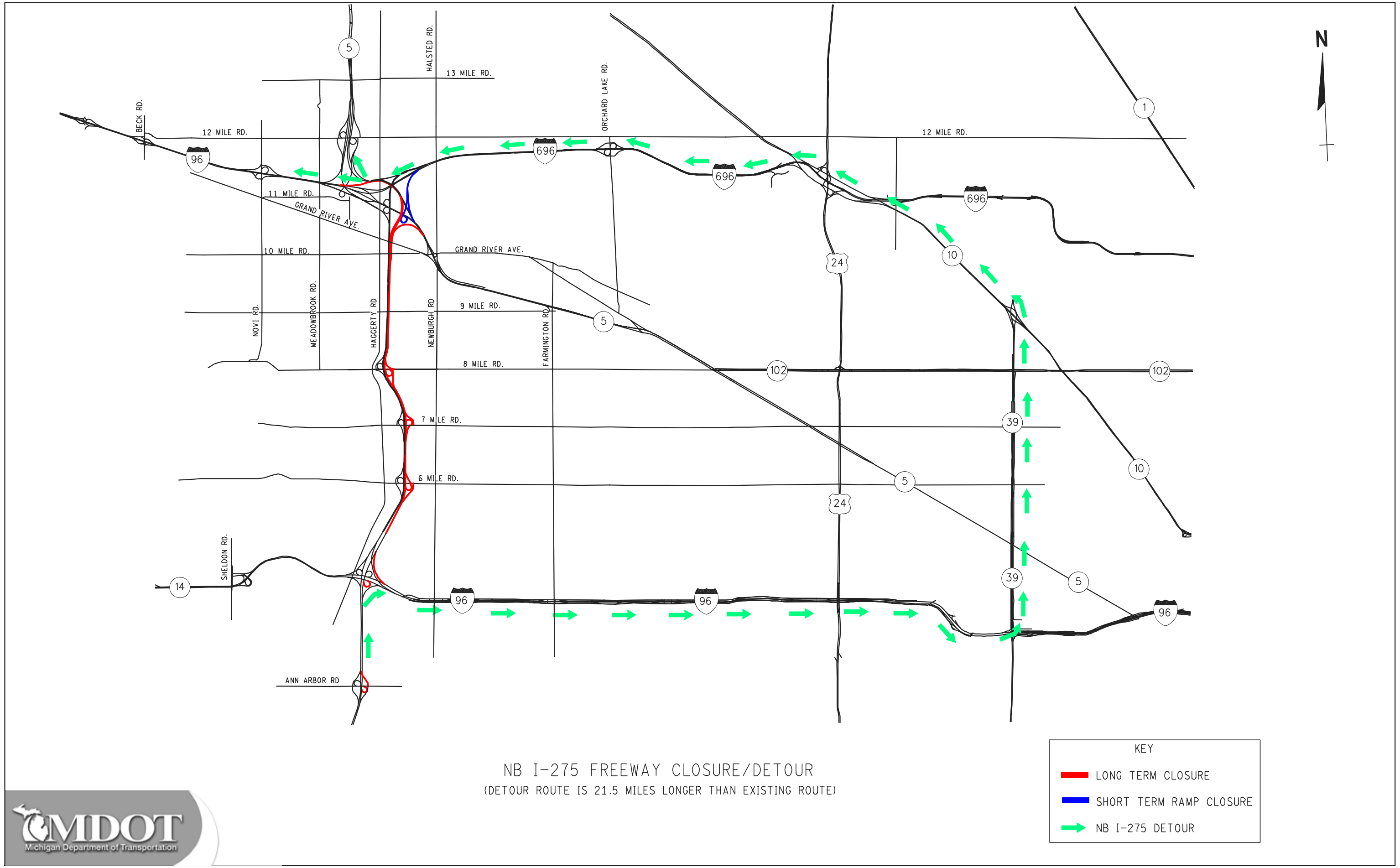
- ⇒ Southbound I-275 Construction Completed, Opened to I-275 and Interchange Ramp Traffic
- ⇒ Northbound I-275 Closed and Detoured for Construction
- ⇒ Eastbound I-696 from Halsted Road to east of Lahser Road Closed and Detoured for two weekends
- ⇒ Haggerty Road Closed for Construction and Detoured

Fall/Winter 2016

Open to Traffic

- ⇒ Northbound I-275 Construction Complete, Opened to I-275 and Interchange Ramp Traffic

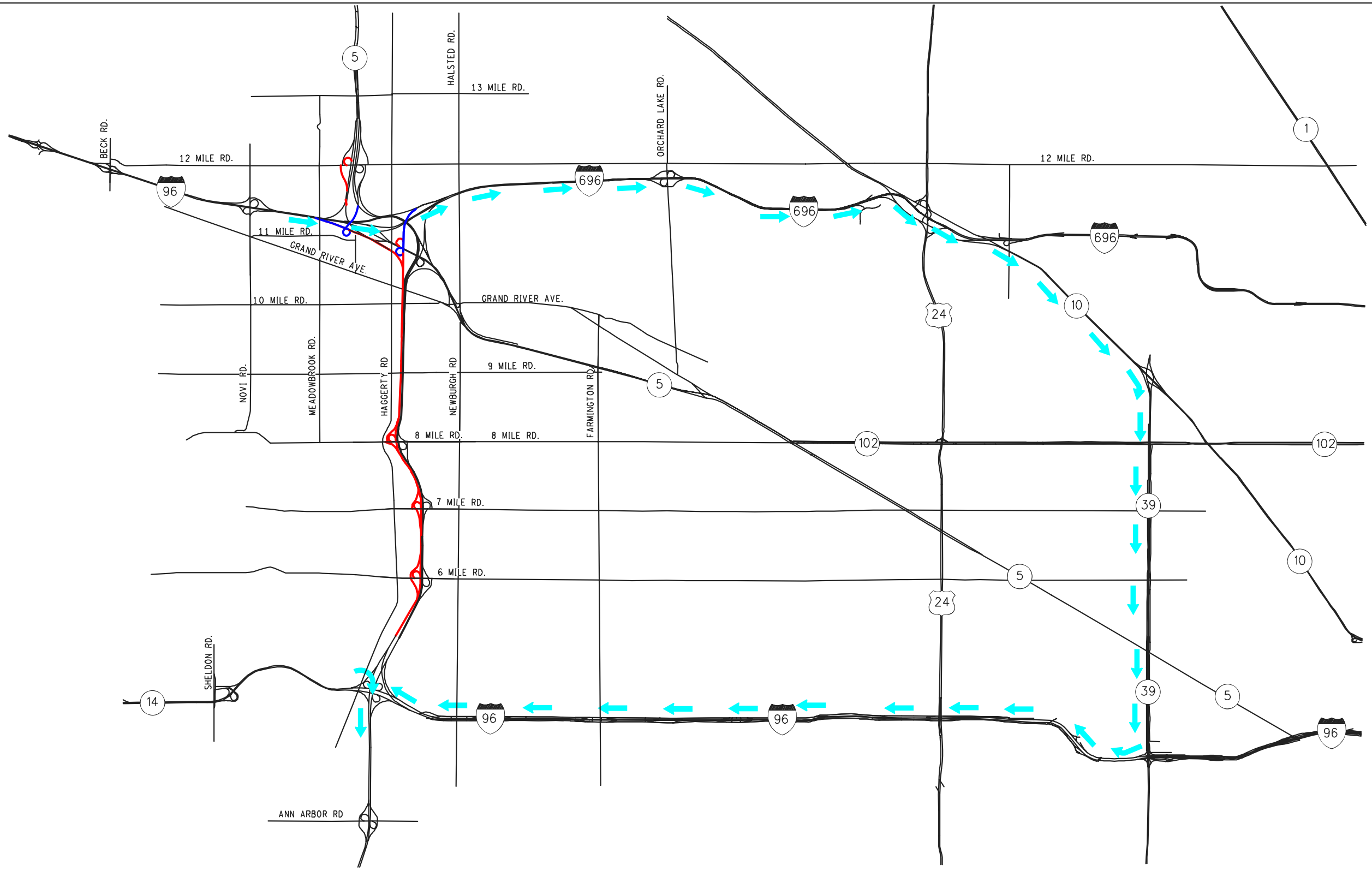




NB I-275 FREEWAY CLOSURE/DETOUR
 (DETOUR ROUTE IS 21.5 MILES LONGER THAN EXISTING ROUTE)

KEY

- LONG TERM CLOSURE
- SHORT TERM RAMP CLOSURE
- NB I-275 DETOUR

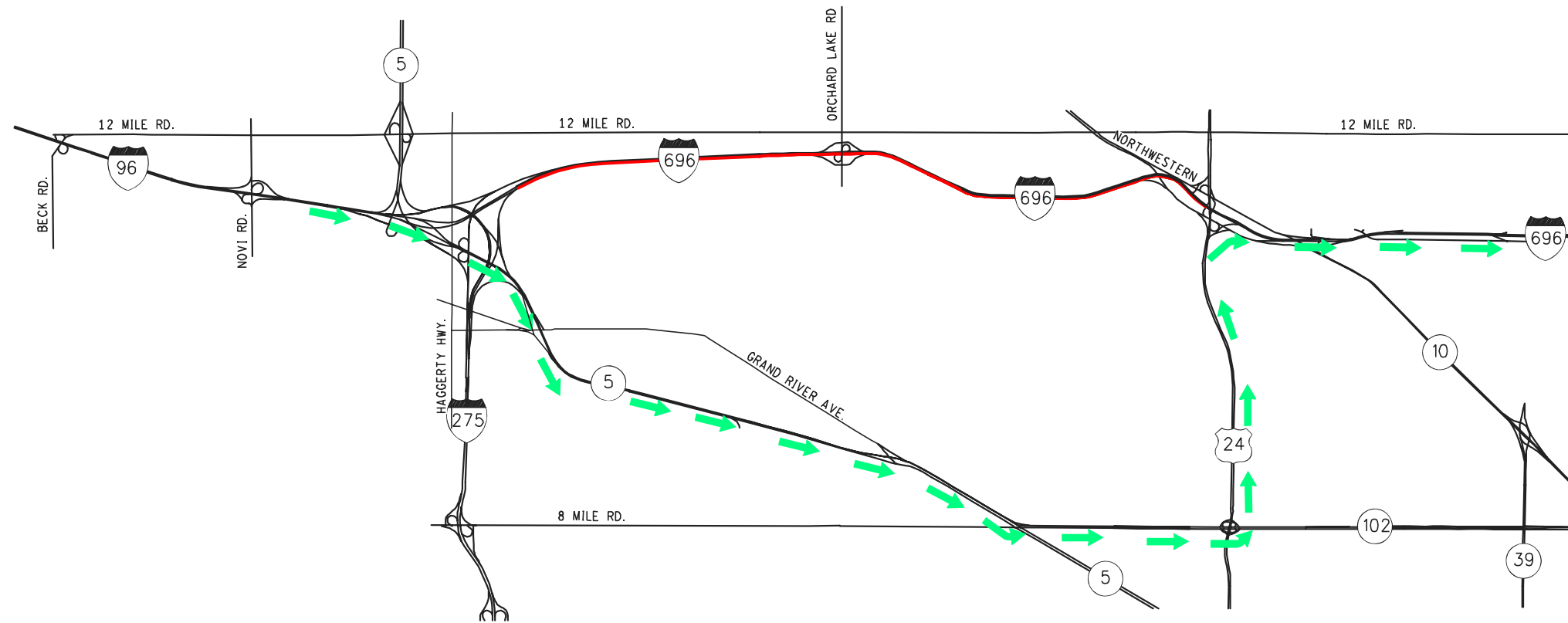


SB I-275 FREEWAY CLOSURE/DETOUR
(DETOUR ROUTE IS 21.5 MILES LONGER THAN EXISTING ROUTE)

KEY

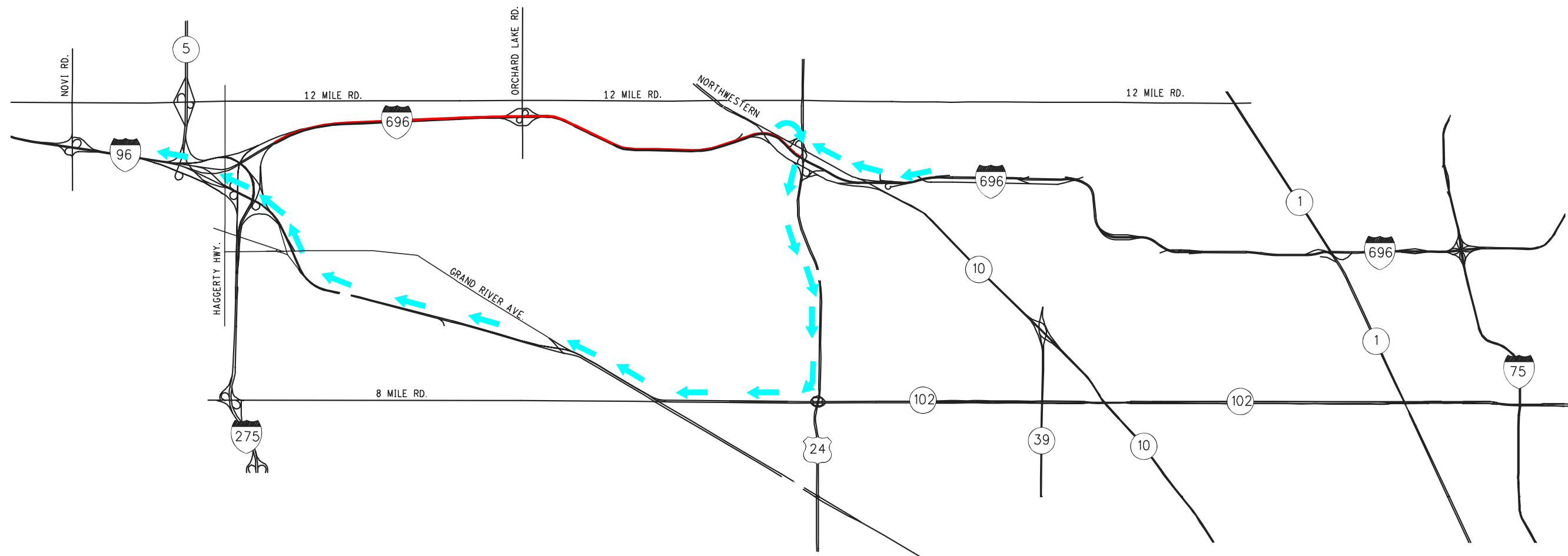
- LONG TERM CLOSURE
- SHORT TERM RAMP CLOSURE
- SB I-275 DETOUR





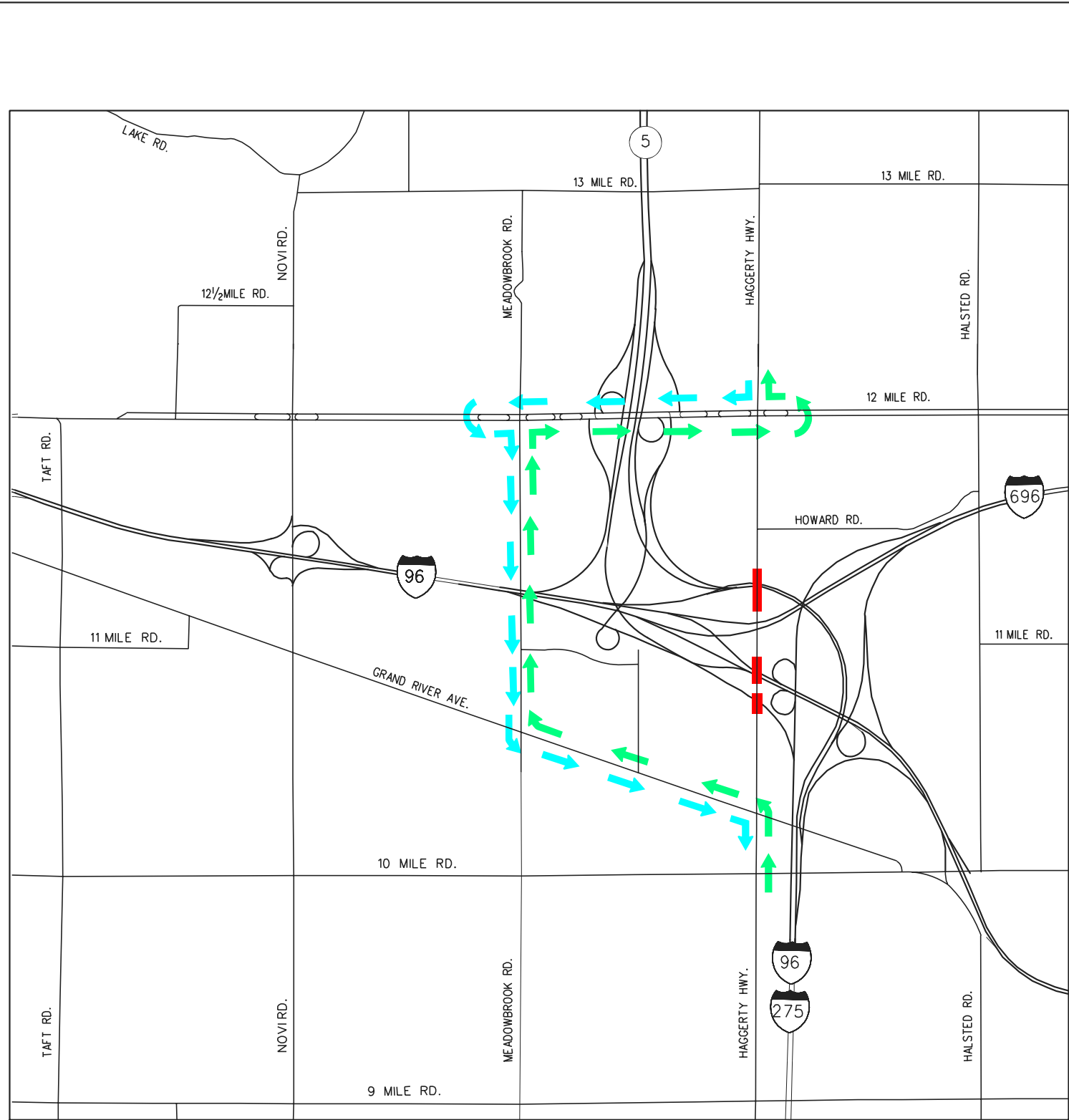
EB I-696 FREEWAY CLOSURE/DETOUR
(APPLIES ON TWO WEEKENDS WHEN NB I-275 IS CLOSED)
(DETOUR ROUTE IS 4 MILES LONGER THAN EXISTING ROUTE)

KEY	
	ROAD WORK
	EB I-696 DETOUR

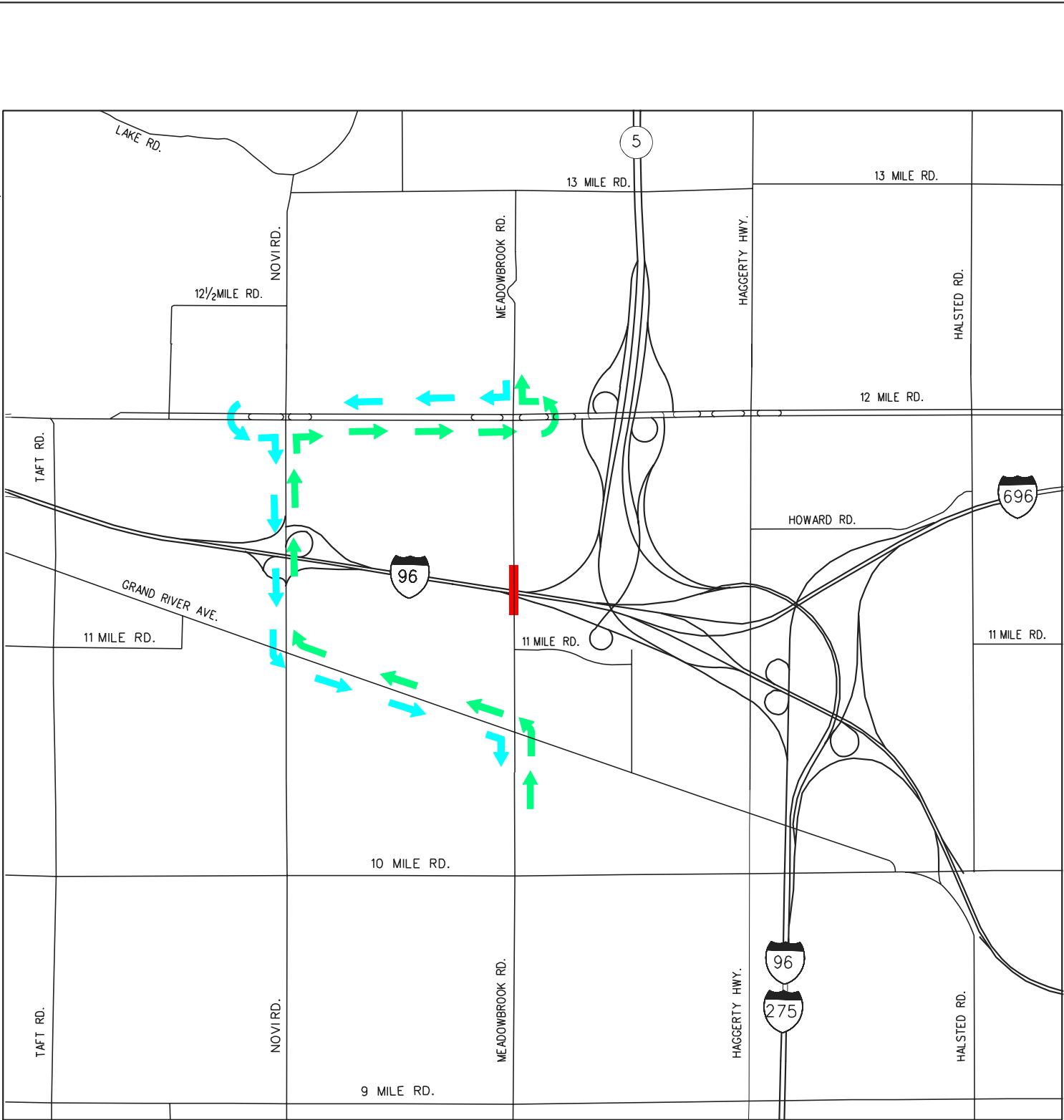


WB I-696 FREEWAY CLOSURE/DETOUR
(APPLIES ON TWO WEEKENDS WHEN SB I-275 IS CLOSED)
(DETOUR ROUTE IS 4.5 MILES LONGER THAN EXISTING ROUTE)

KEY	
—	ROAD WORK
←	WB I-696 DETOUR



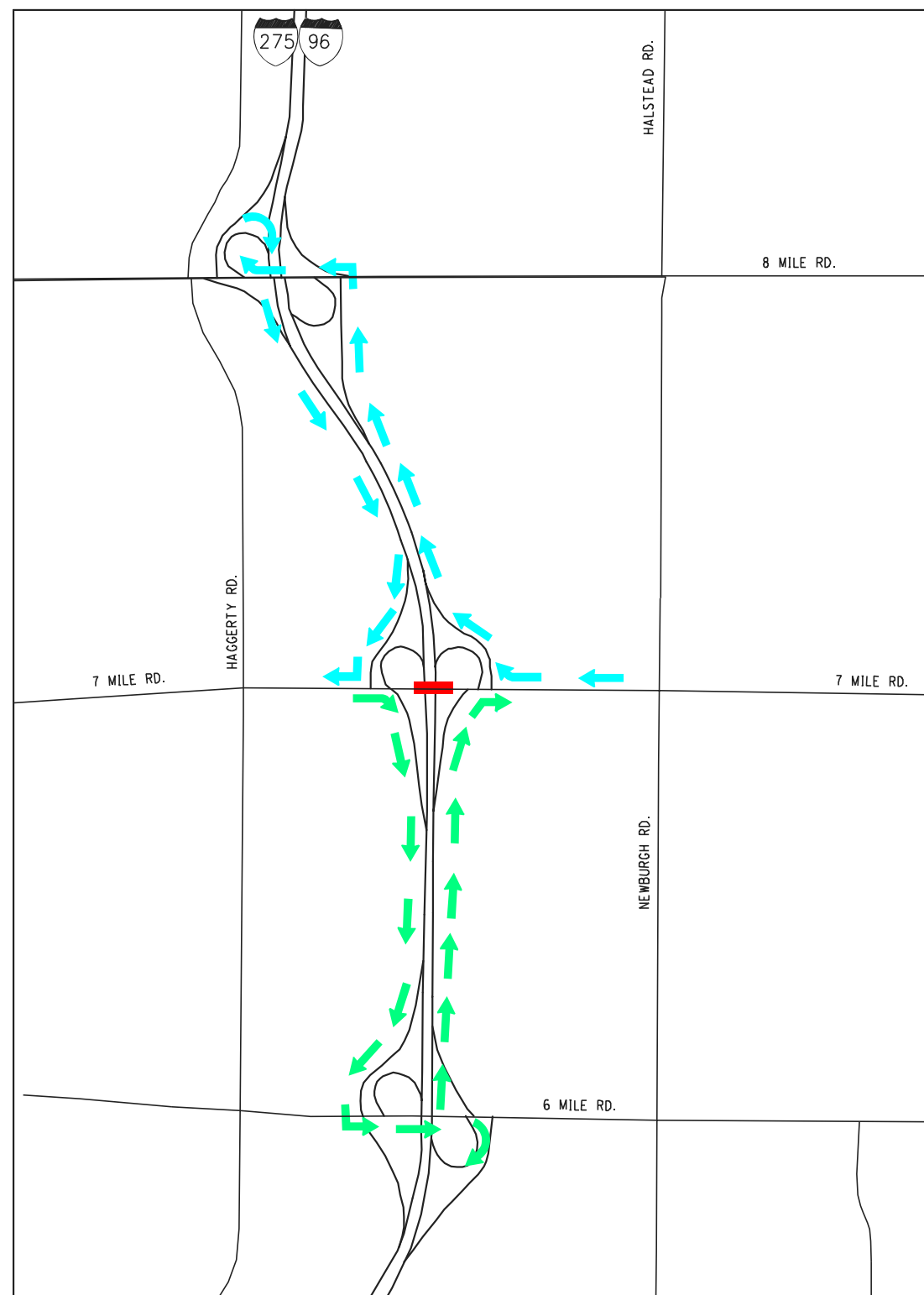
HAGGERTY RD CLOSURE/DETOUR
(DETOUR ROUTE IS 2 MILES LONGER THAN EXISTING ROUTE)



MEADOWBROOK RD CLOSURE/DETOUR
(DETOUR ROUTE IS 2 MILES LONGER THAN EXISTING ROUTE)

KEY

- BRIDGE WORK
- NB DETOUR (HAGGERTY OR MEADOWBROOK)
- SB DETOUR (HAGGERTY OR MEADOWBROOK)



KEY	
—	BRIDGE WORK
→	EB 7 MILE RD DETOUR
→	WB 7 MILE RD DETOUR

EB AND WB SEVEN MILE ROAD CLOSURE AND DETOUR PLAN
(DETOUR ROUTE IS 2.4 MILES LONGER THAN EXISTING ROUTE)